

CLAIM SUMMARY DOCUMENT:

1. (Originally Presented) A system useful for treating an aneurysm in a blood vessel of a mammalian patient, the aneurysm having a neck, a wall, and a cavity, comprising:

- an elongated catheter having a proximal end, a distal end, and including at least one lumen extending therethrough;
- a telescoping stretching rod positioned in the catheter;
- at least one steering pull wire extending distally through the catheter and attached adjacent to the distal end of the catheter;
- an inflatable member positioned adjacent the catheter distal end;
- a one-way valve positioned adjacent the catheter distal end and in fluid communication with the at least one lumen, the one-way valve oriented to permit fluid flow into the catheter lumen;
- an expandable clip releasably attached to the catheter distal end, the expandable clip having an unbiased, expanded condition and a biased, collapsed condition;

wherein when the expandable clip is positioned inside the cavity of an aneurysm and expands, when the inflatable member is inflated to substantially seal the neck of the aneurysm from the blood vessel, and when suction is applied through the catheter lumen and through the one-way valve, the aneurysm wall at least partially collapses on the expanded clip.

1 2. (Originally Presented) A system in accordance with Claim 1, further comprising:
2 a flexible spring positioned adjacent the catheter distal end, the spring including a
3 distal end, at least one steering pull wire attached to the catheter adjacent to the spring
4 distal end.

1 3. (Originally Presented) A system useful for treating an aneurysm in a blood vessel
2 of a mammalian patient, the aneurysm having a neck, a wall, and a cavity, comprising:
3 an elongated shaft having a proximal end, a distal end, a longitudinal direction
4 defined between the proximal end and the distal end, and including at least one lumen
5 extending therethrough;
6 a self-expanding frame positioned at the distal end of the shaft, the frame including a
7 plurality of self-expanding sections and at least one joint, each of the plurality of self-
8 expanding sections having an unbiased, expanded condition and a biased, collapsed
9 condition, each of the plurality of self-expanding sections being foldable about one of the at
10 least one joint when in a biased, collapsed condition.

1 4. (Original Presented) A system in accordance with Claim 3, wherein the frame
2 includes a closed distal end, and further comprising:
3 a stiffening rod extending through the shaft lumen, the stiffening rod being
4 longitudinally movable in the lumen.

1 5. (Originally Presented) A system in accordance with Claim 3, wherein the frame
2 sections are detachable from the elongated shaft.

Claim 6 (Canceled)

1 7. (Originally Presented) A system in accordance with Claim 3, further comprising:
2 a stiffening rod extending through the shaft lumen, the stiffening rod being
3 longitudinally movable in the lumen.

1 ~~sub 7~~ 23. (New) The system in accordance with Claim 3, further comprising a plurality of
2 collapsing joints, said collapsing joints being positioned in an alternating fashion on
3 different sides of said frame so that the frame can be folded up in an accordion-type
4 fashion.

1 ~~24. (New) The system in accordance with Claim 23, wherein each joint includes a~~
2 ~~laterally extending leaf spring having an unbiased, V-shaped orientation and a biased flat~~
3 ~~orientation.~~

1 25. (New) The system in accordance with Claim 3, wherein the at least one joint
2 being oriented longitudinally when the plurality of self-expanding sections are in the
3 unbiased, expanded condition.

-1 26. (New) The system in accordance with Claim 3, wherein the at least one joint
2 being oriented in a V-shape when the plurality of self-expanding sections are in the biased
3 condition.

1 27. (New) The system in accordance with Claim 3, wherein the at least one joint
2 collapses to a position parallel to an artery of the patient.